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3D Art: Andromeda Angel

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# 3D ART : ANDROMEDA ANGEL

This creative art project is a collaboration of Artists and 3D technologists to design and prototype an **Andromeda Angel** using advanced modelling and 3d printing tools.

## Story:

Habitants of Andromeda Galaxy created this Angel to remind themselves of the past, pollutions which nearly destroyed their existence. The **Andromeda Galaxy** is a spiral galaxy approximately 2,500,000 light-years. It is often referred to as the *Great Andromeda Nebula*. Andromeda is the nearest spiral galaxy to our own.

## Symbols

The dried tree is a symbol of the deforestation of their planet,

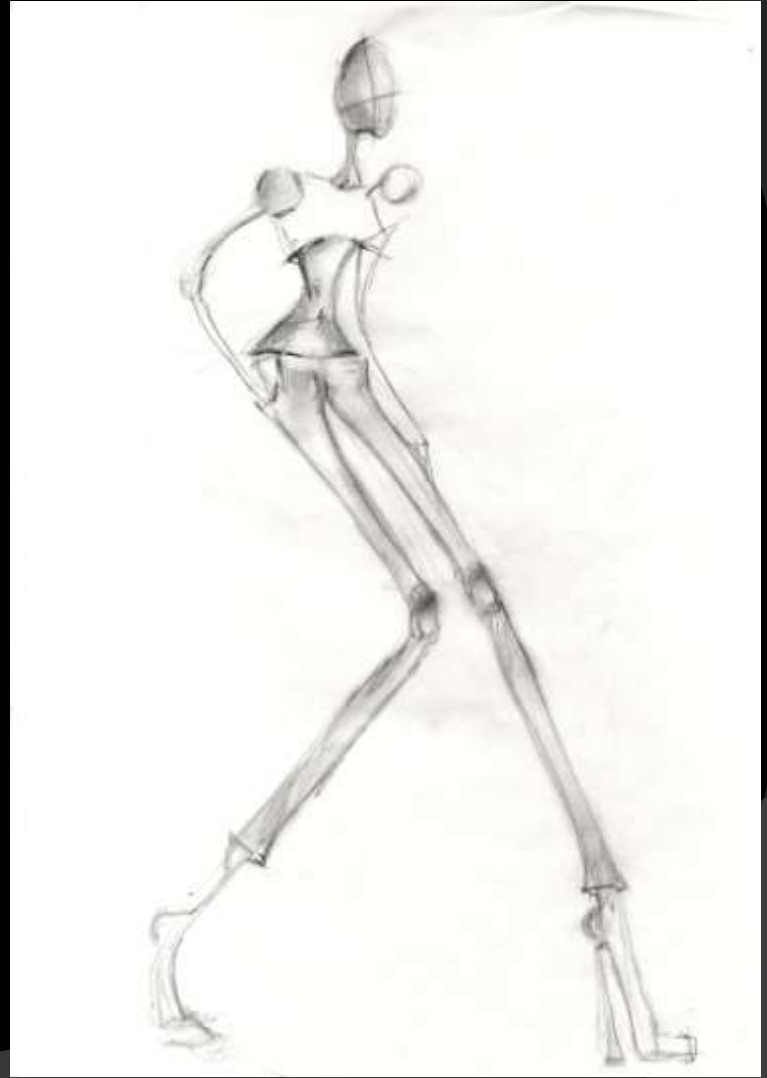
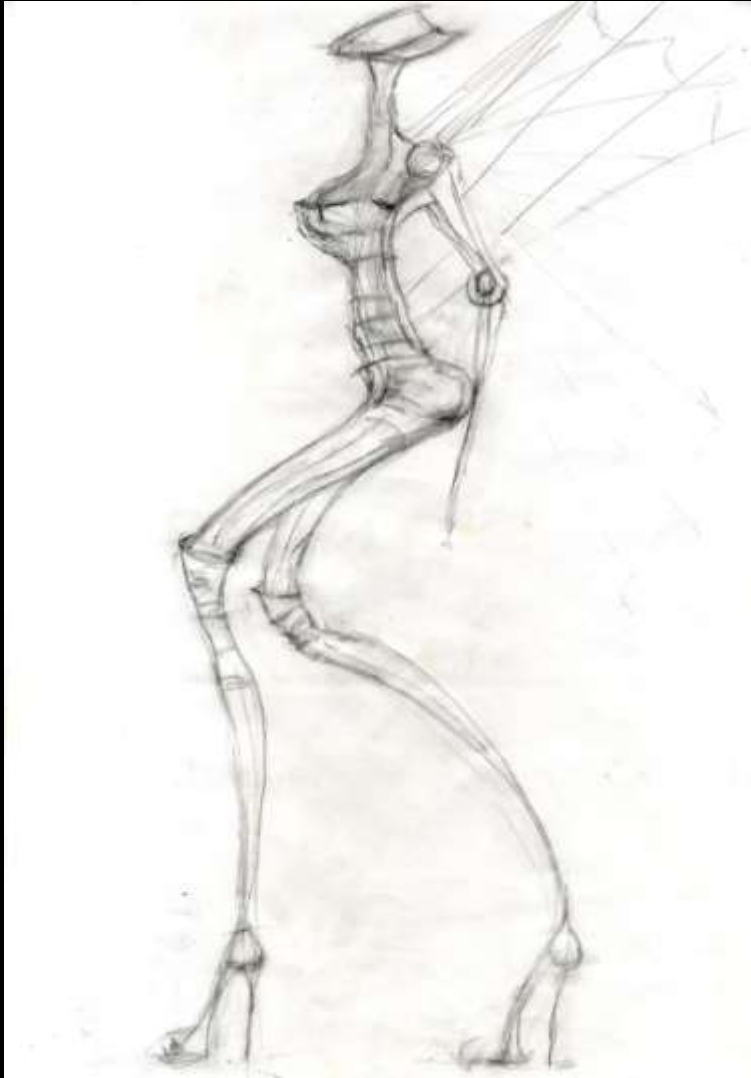
The Angel is their Guardian and their Protector who saved their planet from extinction

## Project:

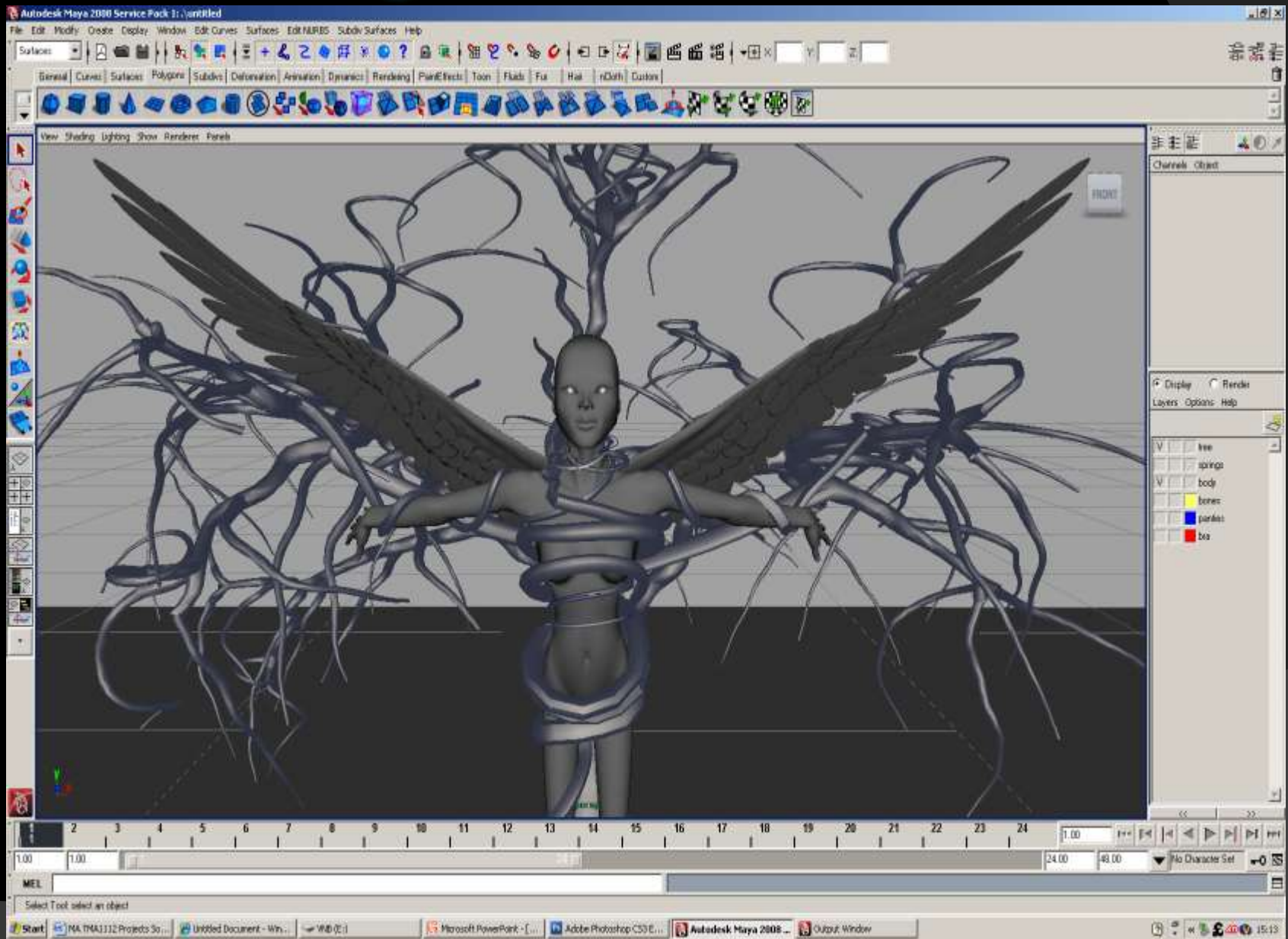
The recent development of advanced 3D digital software for artist and designers and availability of advanced 3D digital printing and manufacturing technologies have revolutionised how artists and designers conceptualise their ideas. Now there is a strong requirement to embrace digital technologies such as CAD software, CAM hardware, Rapid Prototyping and other Information Communication Technologies (ICT) as part of the creative practice.

This project enabled the team to evaluate the challenges to employ the effective methods for using 3D digital techniques to establish the boundaries between of traditional craft production methods and 3D digital technologies.

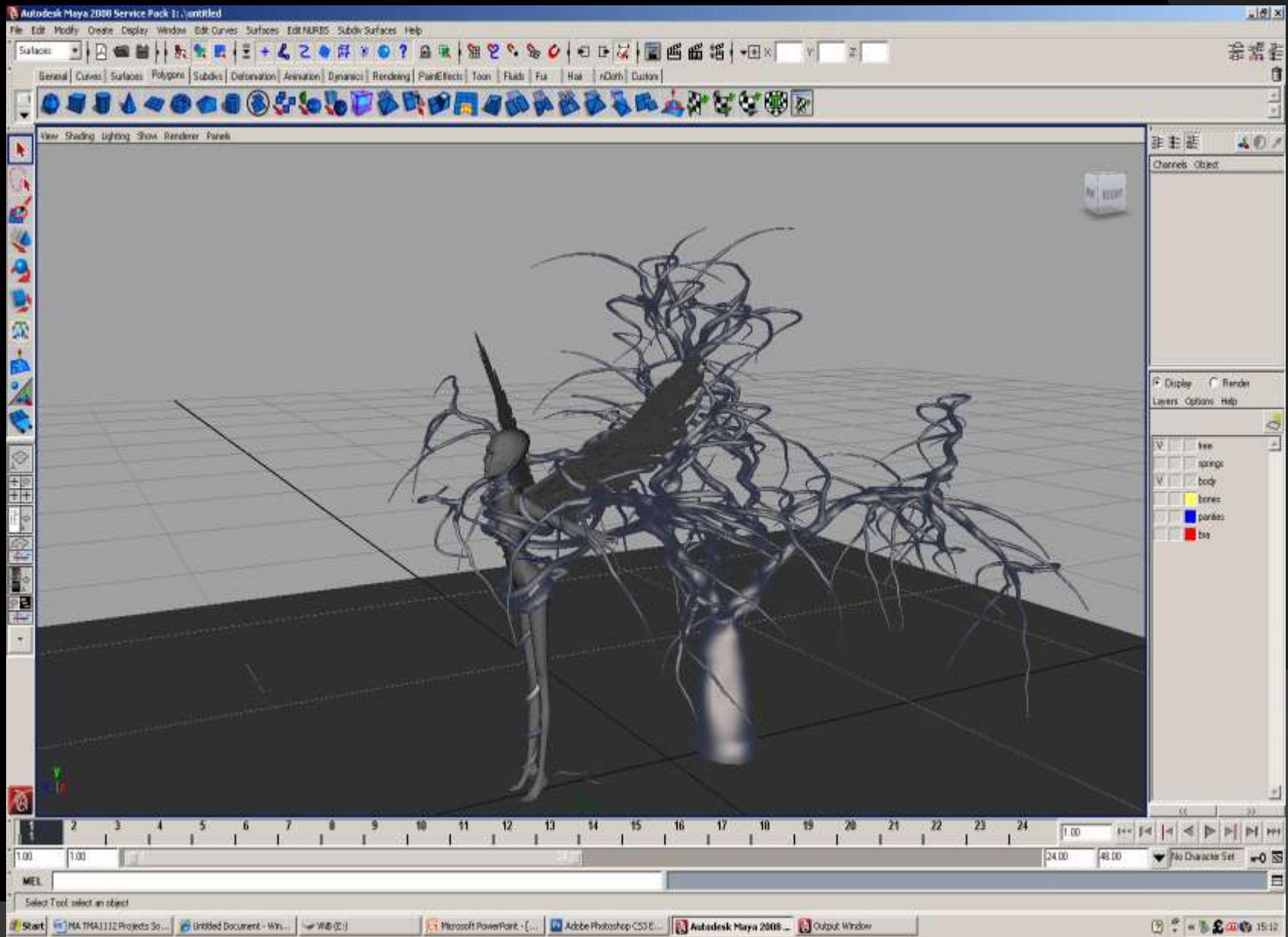
# 2D Drawings



# 3D Modelling



# 3D Modelling





# Renderings



# Prototypes



# Poster:

## Andromeda Angel



The objective of this project is to emphasize the effects of global warming. Global warming is the increase in the average temperature of Earth's near-surface air and oceans since the mid-20th century and its projected continuation. Global surface temperature increased  $0.74 \pm 0.18$  °C between the start and the end of the 20th century. The Intergovernmental Panel on Climate Change concludes that most of the observed temperature increase since the middle of the 20th century was very likely caused by increasing concentrations of greenhouse gases resulting from human activity such as fossil fuel burning and deforestation. Pollution became a popular issue after WW2, conventional catastrophic event The Great Smog of 1952 in London killed at least 8000 people. This massive event prompted some of the first major modern environmental legislation.



Habitants of Andromeda Galaxy created the Angel to remind themselves of the past pollution which nearly destroyed their existence. The Andromeda is a spiral galaxy approximately 2,500,000 light-years. It is also known as Messier 31, M31, or NGC 224, and is often referred to as the Great Andromeda Nebula in older texts. Andromeda is the nearest spiral galaxy to our own.

### Symbols

- The dried tree is a symbol of the deforestation of their planet.
- The Angel is their guardian and their protector who saved their planet from extinction.

Using innovative two dimensional illustrations by Carol Brown, the team created three dimensional character and the dying tree using advanced 3D modeling tools such as Maya, Qudim, and 3D printing technologies to create this artifact.

Humans on Earth also face similar issues. Growing evidence of local and global pollution and an increasingly informed public over time have given rise to environmentalism and the environmental movement, which generally seek to limit human impact on the environment.

WE MUST ACT NOW TO PROTECT OUR PLANET!!

### Research Team:

Nareesh veeragoni, MA 3D Digital Design course Carol Brown: Digital Artist with Fashion Dr Ertu Unver Senior Lecturer



## Useful informations & web links:

<http://www.autonomic.org.uk/>

<http://www.automake.co.uk/>

<http://www.3ddigital.org.uk/>

<http://www.3dcreationlab.co.uk/>

<http://www.huddersfield3d.co.uk>

<http://usa.autodesk.com/>

<http://www.zcorp.com/>

<http://www.dimensionprinting.com/>

<http://www.3dsystems.com/>

<http://www.objet.com/>

<http://www.shapeways.com/>

<http://www.conceptart.org/>